

Fig. 1.

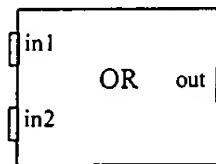


Fig. 2.

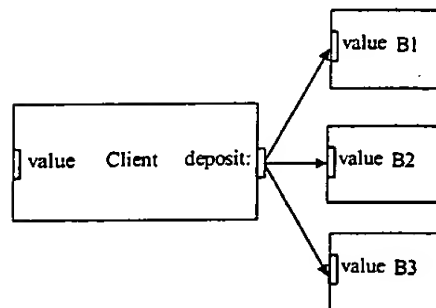


Fig. 3.

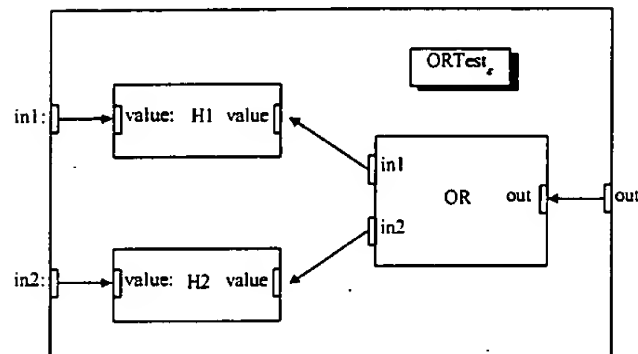


Fig. 4.

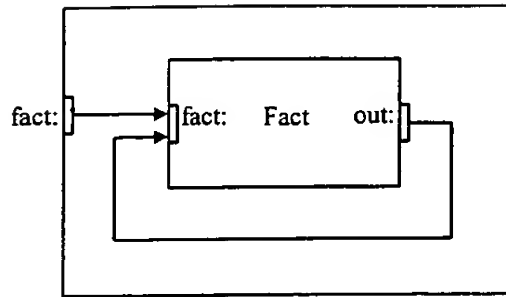


Fig. 5.

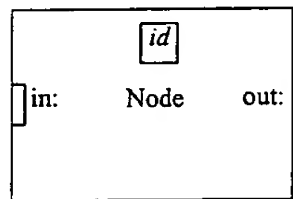


Fig. 6.

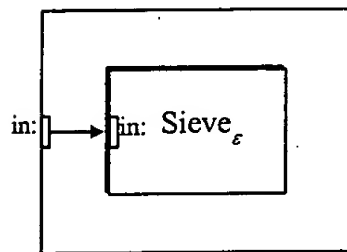


Fig. 7.

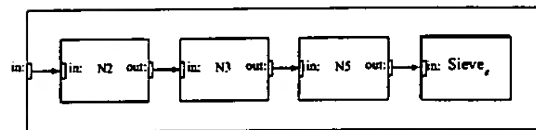


Fig. 8.

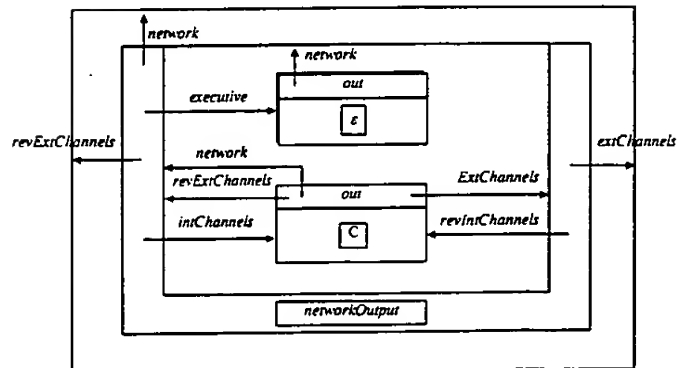


Fig. 9.

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Connecton

Node

And

Or

...

ConnectonExecutive

Nand

ORTest

Sieve

...

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Fig. 10.

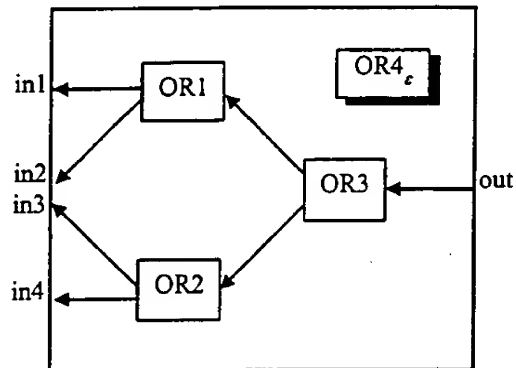


Fig. 11.

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connectonStructure

[str]

str := super connectonStructure.

str addConnecton: #OR1 class: OR.

str addConnecton: #OR2 class: OR.

str addConnecton: #OR3 class: OR.

str link: Network gate: #out to: #OR3 gate: #out.

str link: #OR3 gate: #in1 to: #OR1 gate: #out.

str link: #OR3 gate: #in2 to: #OR2 gate: #out.

str link: #OR1 gate: #in1 to: Network gate: #in1.

str link: #OR1 gate: #in2 to: Network gate: #in2.

str link: #OR2 gate: #in1 to: Network gate: #in3.

str link: #OR2 gate: #in2 to: Network gate: #in4.

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Fig. 12.

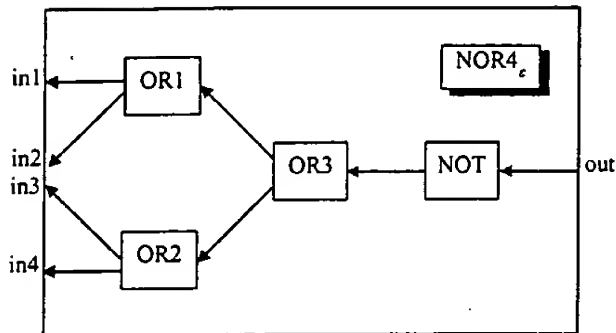


Fig. 13.

connectonStructure

[str]

str := super connectonStructure.

str addConnecton: #NOT class: NOT.

str unlink: Network gate: #out from: #OR3 gate: #out.

str link: Network gate: #out from: #NOT gate: #out.

str link: #NOT gate: #in from: #OR3 gate: #out.

"Obtain the parent class structure"

"Add a not gate"

"Unlink OR3 gate"

"Link the network output to the NOT gate output"

"Link NOT to OR3 gate"

Fig. 14.

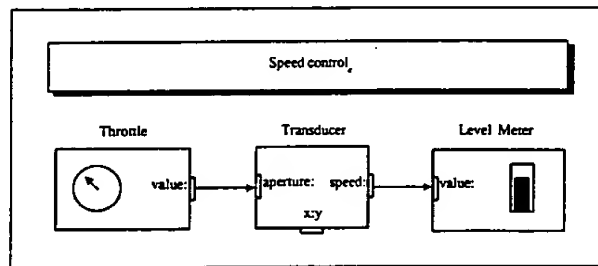


Fig. 15.

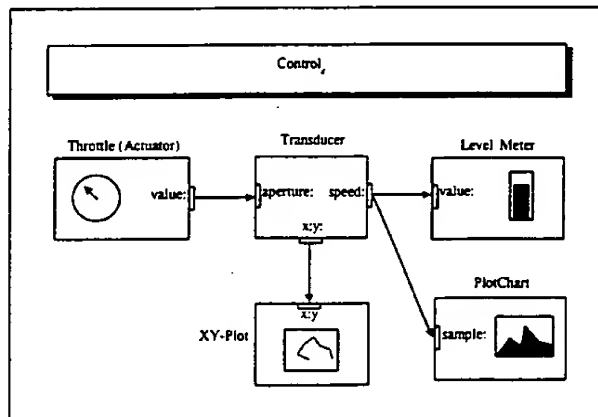


Fig. 16.

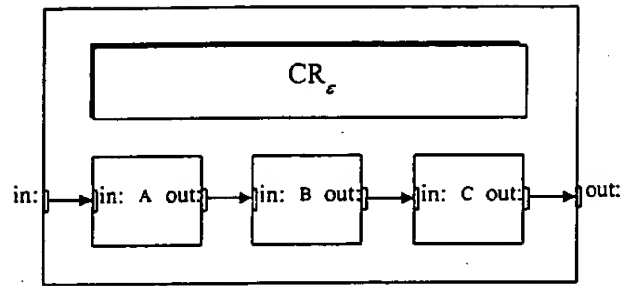


Fig. 17.